Title (en)

Method and apparatus for carrying packetized voice and data in a wireless communication networks

Title (de)

Verfahren und Vorrichtung zum Tragen von Sprach- und Datenpaketen in drahtlosen Kommunikationsnetzwerken

Title (fr)

Procédé et appareil pour le transport de voix et de données en paquets dans des réseaux de communication sans fil

Publication

EP 2028803 A1 20090225 (EN)

Application

EP 08168988 A 20010706

Priority

- EP 01984206 A 20010706
- US 61207500 A 20000707

Abstract (en)

A method and apparatus for reducing transmission delay in a wireless communication system that carries packetized voice and data information. Interruptions in the traffic channels cause loss of synchronization between a header compressor and a header decompressor. Rather than transmitting resyinchronization information on the traffic channel, the information dropped by an interruption is re-transmitted on a non-traffic channel in parallel with the traffic channel. At the remote station, information from the traffic channel and the non-traffic channel is reassembled before input into the decompressor. Alternatively, the non-traffic channel can be used to carry overflow information so that a higher average data rate can be achieved than the average data rate of the traffic channel alone.

IPC 8 full level

H04L 12/28 (2006.01); **H04L 12/56** (2006.01); **H04W 56/00** (2009.01); H04L 1/18 (2006.01); H04W 28/04 (2009.01)

CPC (source: EP KR US)

H04W 28/06 (2013.01 - EP KR US); H04L 1/18 (2013.01 - EP US)

Citation (applicant)

US 5859840 A 19990112 - TIEDEMANN JR EDWARD G [US], et al

Citation (search report)

- [X] US 5859840 A 19990112 - TIEDEMANN JR EDWARD G [US], et al
- [X] US 6005855 A 19991221 - ZEHAVI EPHRAIM [IL], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0205575 A2 20020117; **WO 0205575 A3 20020822**; AT E421821 T1 20090215; AT E492966 T1 20110115; AU 1880602 A 20020121; BR 0112238 A 20040210; CN 1265591 C 20060719; CN 1452827 A 20031029; CN 1870600 A 20061129; CN 1870600 B 20110928; DE 60137503 D1 20090312; DE 60143724 D1 20110203; EP 1299976 A2 20030409; EP 1299976 B1 20090121; EP 2028803 A1 20090225; EP 2028803 B1 20101222; HK 1058442 A1 20040514; JP 2004503156 A 20040129; JP 2011139492 A 20110714; JP 4718098 B2 20110706; JP 4819972 B2 20111124; KR 100909193 B1 20090723; KR 20030014328 A 20030215; TW 530504 B 20030501; US 2003086378 A1 20030508; US 6529527 B1 20030304; US 7355999 B2 20080408

DOCDB simple family (application)

US 0121477 W 20010706; AT 01984206 T 20010706; AT 08168988 T 20010706; AU 1880602 A 20010706; BR 0112238 A 20010706; CN 01812414 A 20010706; CN 200610091537 A 20010706; DE 60137503 T 20010706; DE 60143724 T 20010706; EP 01984206 A 20010706; EP 08168988 A 20010706; HK 04101081 A 20040216; JP 2002508852 A 20010706; JP 2011021794 A 20110203; KR 20037000229 A 20010706; TW 90116597 A 20010706; US 32735502 A 20021220; US 61207500 A 20000707